

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2005/050087

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B11/105

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 618 330 B1 (KAWASAKI GORO ET AL) 9 September 2003 (2003-09-09)	11,12
A	column 6, line 50 - column 7, line 37; figures 5A-5J	1-10
A	----- US 6 185 068 B1 (FUJITA KIYOHARU ET AL) 6 February 2001 (2001-02-06) the whole document	1-12
A	----- PATENT ABSTRACTS OF JAPAN vol. 2000, no. 26, 1 July 2002 (2002-07-01) & JP 2001 266431 A (SANYO ELECTRIC CO LTD), 28 September 2001 (2001-09-28) abstract	1-12
	----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

12 April 2005

Date of mailing of the international search report

20/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Nanos, A

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2005/050087

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PATENT ABSTRACTS OF JAPAN vol. 016, no. 231 (P-1361), 28 May 1992 (1992-05-28) &amp; JP 04 048451 A (SONY CORP), 18 February 1992 (1992-02-18) abstract</p> <p>-----</p>	1-12

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2005/050087

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6618330	B1	09-09-2003	JP	2002083453 A	22-03-2002
			US	2004141426 A1	22-07-2004
US 6185068	B1	06-02-2001	JP	3149851 B2	26-03-2001
			JP	2000030218 A	28-01-2000
JP 2001266431	A	28-09-2001	JP	3490951 B2	26-01-2004
JP 04048451	A	18-02-1992	NONE		